



Stone Energy Corporation

Mary Prospect
Tracy Pad
Tracy 6H - Slot 6

OH

Design: As drilled

Standard Survey Report

30 October, 2014



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06/02/2017



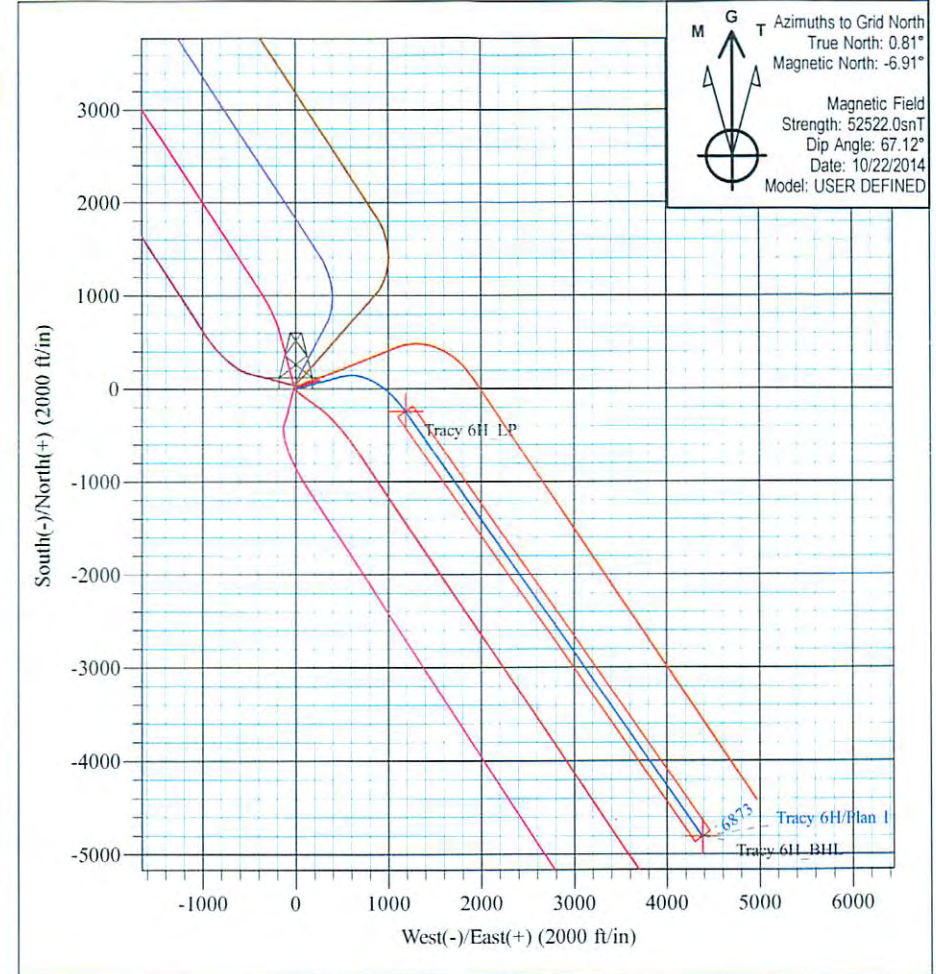
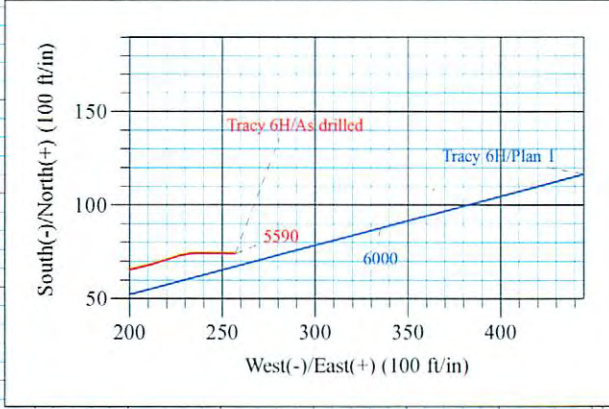
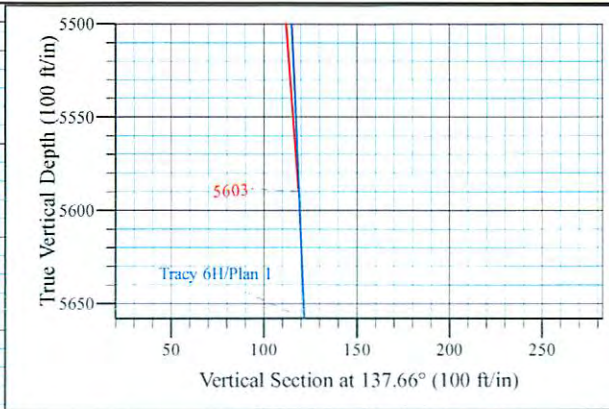
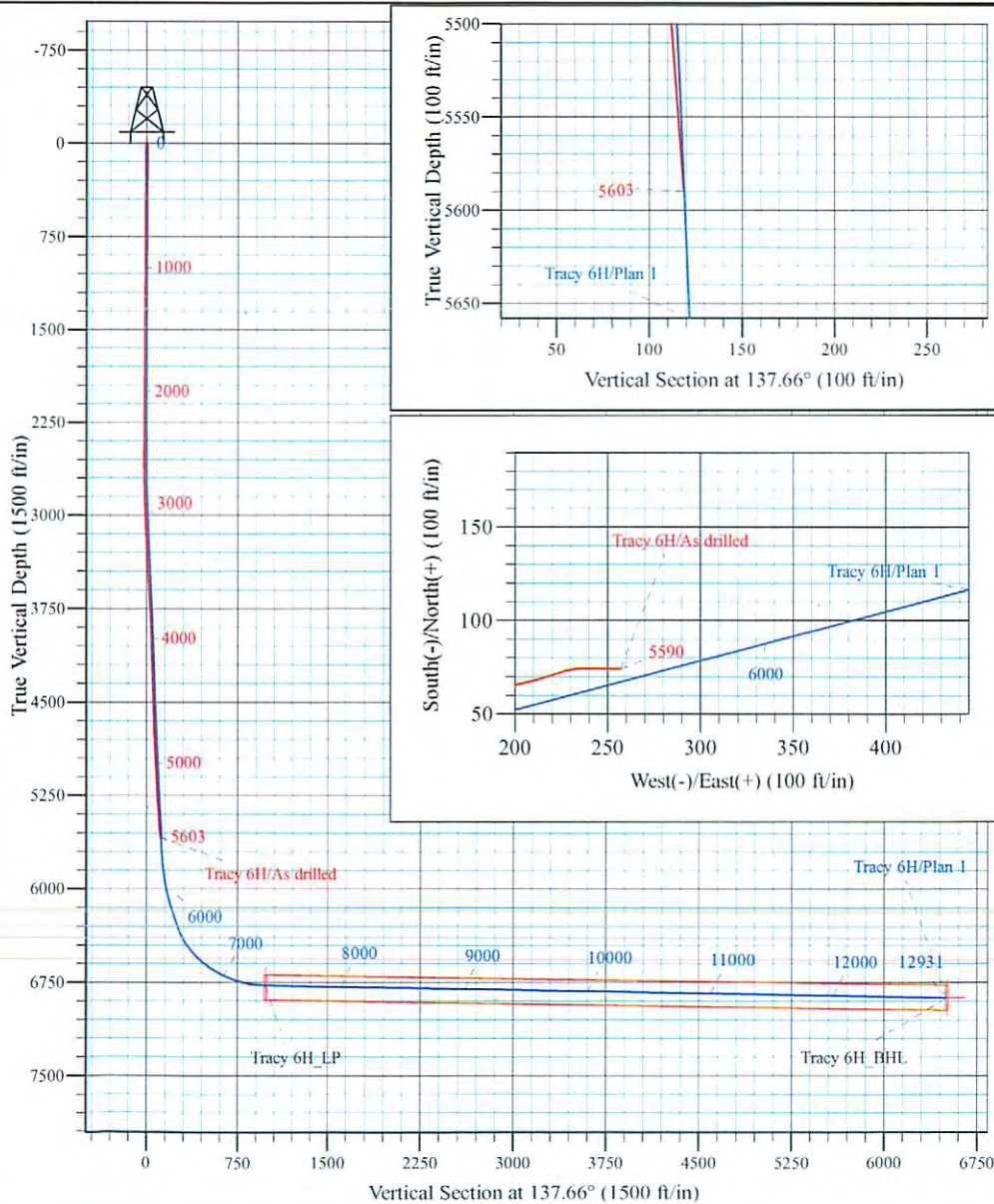
Tracy Pad
 Tracy 6H
 Plan 1
 GL 1101' & KB 10' @ 1111.00ft (Highlands 2)
 Mary Prospect

PROJECT DETAILS:
 Geodetic System: US State Plane 1927 (Exact solution)
 Datum: NAD 1927 (NADCON CONUS)
 Ellipsoid: Clarke 1866
 Zone: West Virginia North 4701
 System Datum: Mean Sea Level



WELL DETAILS: Tracy 6H

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	410104.34	1644331.95	39° 37' 8.804 N	80° 45' 45.363 W



Shane Rhodes
 14:46, October 30 2014
 Scientific Drilling International
 124 Vista Drive
 Charleroi, PA 15022



Scientific Drilling International
Survey Report



Company:	Stone Energy Corporation	Local Co-ordinate Reference:	Well Tracy 6H - Slot 6
Project:	Mary Prospect	TVD Reference:	GL 1101' & KB 10' @ 1111.00ft (Highlands 2)
Site:	Tracy Pad	MD Reference:	GL 1101' & KB 10' @ 1111.00ft (Highlands 2)
Well:	Tracy 6H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	As drilled	Database:	Northeast District

Project	Mary Prospect, Wetzel County, West Virginia		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	West Virginia North 4701		

Site	Tracy Pad				
Site Position:		Northing:	410,140.88 usft	Latitude:	39° 37' 9.161 N
From:	Map	Easting:	1,644,306.16 usft	Longitude:	80° 45' 45.699 W
Position Uncertainty:	0.00 ft	Slot Radius:	13-3/16 "	Grid Convergence:	-0.81 °

Well	Tracy 6H - Slot 6					
Well Position	+N-S	0.00 ft	Northing:	410,104.34 usft	Latitude:	39° 37' 8.804 N
	+E-W	0.00 ft	Easting:	1,644,331.95 usft	Longitude:	80° 45' 45.363 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	0.00 ft	Ground Level:	1,101.00 ft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	User Defined	10/22/2014	-7.71	67.12	52.522

Design	As drilled				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.00	0.00	0.00	137.66	

Survey Program	Date	10/30/2014			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
10.00	2,445.00	Survey #1 - VES Gyro (OH)	VES GyroFlex		
2,486.00	5,603.00	Survey #2 - SDI MWD (OH)	SDI MWD	SDI MWD - Standard ver 1.0.1	

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10.00	0.00	360.00	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
First VES Gyro @ 10 MD										
100.00	0.53	302.63	100.00	0.22	-0.35	-0.40	0.59	0.59	0.00	0.00
200.00	0.45	290.02	200.00	0.61	-1.11	-1.20	0.13	-0.08	-12.61	-12.61
300.00	0.62	313.81	299.99	1.12	-1.87	-2.08	0.28	0.17	23.79	23.79
400.00	0.29	304.57	399.99	1.64	-2.47	-2.87	0.34	-0.33	-9.24	-9.24
500.00	0.33	287.37	499.99	1.86	-2.95	-3.37	0.10	0.04	-17.20	-17.20
600.00	0.34	254.04	599.98	1.87	-3.51	-3.75	0.19	0.01	-33.33	-33.33
700.00	0.27	244.44	699.98	1.69	-4.01	-3.95	0.09	-0.07	-9.60	-9.60



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Survey Report



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Site:	Tracy Pad	MD Reference:	GL 1101' & KB 10' @ 1111.00ft (Highlands 2)
Well:	Tracy 6H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	As drilled	Database:	Northeast District

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
800.00	0.42	234.71	799.98	1.37	-4.52	-4.06	0.16	0.15	-9.73	
900.00	0.20	263.48	899.98	1.14	-4.99	-4.21	0.26	-0.22	28.77	
1,000.00	0.10	79.04	999.98	1.14	-5.08	-4.26	0.30	-0.10	175.56	
1,100.00	0.23	281.79	1,099.98	1.20	-5.19	-4.38	0.32	0.13	-157.25	
1,200.00	0.39	284.70	1,199.98	1.32	-5.72	-4.83	0.16	0.16	2.91	
1,300.00	0.26	315.08	1,299.98	1.57	-6.21	-5.34	0.21	-0.13	30.38	
1,400.00	0.34	320.12	1,399.97	1.96	-6.56	-5.86	0.08	0.08	5.04	
1,500.00	0.55	315.60	1,499.97	2.53	-7.08	-6.64	0.21	0.21	-4.52	
1,600.00	0.43	39.68	1,599.97	3.16	-7.18	-7.17	0.66	-0.12	84.08	
1,700.00	0.26	19.20	1,699.97	3.66	-6.86	-7.33	0.21	-0.17	-20.48	
1,800.00	0.38	346.62	1,799.97	4.20	-6.87	-7.73	0.21	0.12	-32.58	
1,900.00	0.40	345.74	1,899.96	4.86	-7.03	-8.33	0.02	0.02	-0.88	
2,000.00	0.38	4.60	1,999.96	5.53	-7.09	-8.86	0.13	-0.02	18.86	
2,100.00	0.29	15.71	2,099.96	6.10	-6.99	-9.22	0.11	-0.09	11.11	
2,200.00	0.37	359.79	2,199.96	6.67	-6.93	-9.60	0.12	0.08	-15.92	
2,300.00	0.53	9.04	2,299.95	7.45	-6.86	-10.12	0.18	0.16	9.25	
2,400.00	0.57	5.57	2,399.95	8.40	-6.73	-10.75	0.05	0.04	-3.47	
2,445.00	0.68	10.94	2,444.95	8.89	-6.66	-11.06	0.28	0.24	11.93	
Last VES Gyro @ 2445 MD										
2,486.00	0.34	338.25	2,485.95	9.24	-6.66	-11.32	1.06	-0.83	-79.73	
First SDI MWD @ 2486 MD										
2,581.00	0.45	63.63	2,580.94	9.67	-6.43	-11.48	0.57	0.12	89.87	
2,675.00	1.62	74.01	2,674.93	10.20	-4.82	-10.79	1.26	1.24	11.04	
2,769.00	3.20	73.93	2,768.84	11.29	-1.02	-9.03	1.68	1.68	-0.09	
2,863.00	4.39	75.44	2,862.83	12.92	4.98	-6.20	1.27	1.27	1.61	
2,957.00	5.17	80.33	2,956.31	14.54	12.64	-2.23	0.94	0.83	5.20	
3,052.00	6.17	79.42	3,050.84	16.19	21.87	2.76	1.06	1.05	-0.96	
3,145.00	6.19	74.96	3,143.30	18.41	31.63	7.69	0.52	0.02	-4.80	
3,239.00	5.91	80.03	3,236.78	20.56	41.29	12.61	0.64	-0.30	5.39	
3,333.00	5.89	78.29	3,330.28	22.38	50.78	17.66	0.19	-0.02	-1.85	
3,428.00	5.75	72.45	3,424.79	24.80	60.09	22.14	0.64	-0.15	-6.15	
3,522.00	5.93	81.11	3,518.30	26.98	69.38	26.79	0.96	0.19	9.21	
3,616.00	5.98	83.64	3,611.80	28.27	79.04	32.34	0.28	0.05	2.69	
3,710.00	5.82	79.72	3,705.30	29.66	88.60	37.75	0.46	-0.17	-4.17	
3,804.00	5.50	76.98	3,798.84	31.53	97.68	42.48	0.45	-0.34	-2.91	
3,899.00	5.20	71.40	3,893.43	33.93	106.19	46.45	0.63	-0.32	-5.87	
3,993.00	5.09	64.94	3,987.05	37.05	114.01	49.40	0.63	-0.12	-6.87	
4,087.00	4.92	72.14	4,080.69	40.05	121.62	52.31	0.69	-0.18	7.66	
4,182.00	4.70	70.38	4,175.36	42.61	129.16	55.50	0.28	-0.23	-1.85	
4,276.00	4.68	79.00	4,269.04	44.63	136.56	58.98	0.75	-0.02	9.17	
4,370.00	4.20	79.52	4,362.76	45.99	143.70	62.79	0.51	-0.51	0.55	
4,464.00	3.80	71.56	4,456.53	47.60	150.04	65.87	0.73	-0.43	-8.47	
4,558.00	4.27	57.29	4,550.30	50.48	155.94	67.72	1.18	0.50	-15.18	



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Well:	Tracy 6H	North Reference:	Grid
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	As drilled	Database:	Northeast District

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,653.00	5.15	54.80	4,644.98	54.85	162.40	68.84	0.95	0.93	-2.62
4,747.00	5.85	65.48	4,738.55	59.27	170.21	70.83	1.32	0.74	11.36
4,841.00	6.38	80.16	4,832.02	62.15	179.72	75.10	1.75	0.56	15.62
4,937.00	6.26	83.17	4,927.44	63.68	190.17	81.01	0.37	-0.13	3.14
5,031.00	5.95	78.99	5,020.91	65.22	200.04	86.52	0.58	-0.33	-4.45
5,156.00	5.63	73.18	5,145.27	68.23	212.27	92.53	0.53	-0.26	-4.65
5,219.00	5.61	70.05	5,207.97	70.18	218.12	95.04	0.49	-0.03	-4.97
5,312.00	5.98	76.30	5,300.49	72.88	227.10	99.09	0.79	0.40	6.72
5,407.00	5.93	89.25	5,394.98	74.11	236.81	104.72	1.41	-0.05	13.63
5,501.00	5.92	90.78	5,488.48	74.11	246.52	111.26	0.17	-0.01	1.63
Last SDI MWD @ 5501 MD									
5,603.00	5.92	90.78	5,589.94	73.97	257.04	118.45	0.00	0.00	0.00
Projection to Bit @ 5603 MD									

Measured Depth (ft)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Comment
10.00	10.00	0.00	0.00	First VES Gyro @ 10 MD
2,445.00	2,444.95	8.89	-6.66	Last VES Gyro @ 2445 MD
2,486.00	2,485.95	9.24	-6.66	First SDI MWD @ 2486 MD
5,501.00	5,488.48	74.11	246.52	Last SDI MWD @ 5501 MD
5,603.00	5,589.94	73.97	257.04	Projection to Bit @ 5603 MD

Checked By: _____ Approved By: _____ Date: _____